

# Ambra oil & gas co.

Suite 420-430  
115 South Main • Salt Lake City, Utah 84111  
(801) 532-6640  
NASDAQ: AOGC

RECEIVED NOV - 5 1980

November 3, 1980

TMCO Limited  
840 Rood Avenue  
Grand Junction, CO 81501

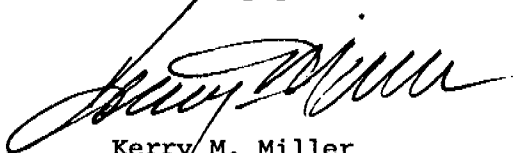
ATTN: Jim Kyle

Dear Mr. Kyle:

This letter authorizes TMCO Limited to purchase waters from us at Cisco Springs, Grand County, Utah. Ambra Oil and Gas hereby contracts that it is the owner of one acre of foot per year of water from Cisco Springs. This is a new allocation, and Ambra Oil and Gas has used none of this water to date. Therefore, the agreed rate established is \$10 per load (2,000 gallons) will become due and payable up removal of this water.

Ambra Oil and Gas Company hereby authorizes TMCO to use up to 10 loads (20,000 gallons of water).

Sincerely yours,

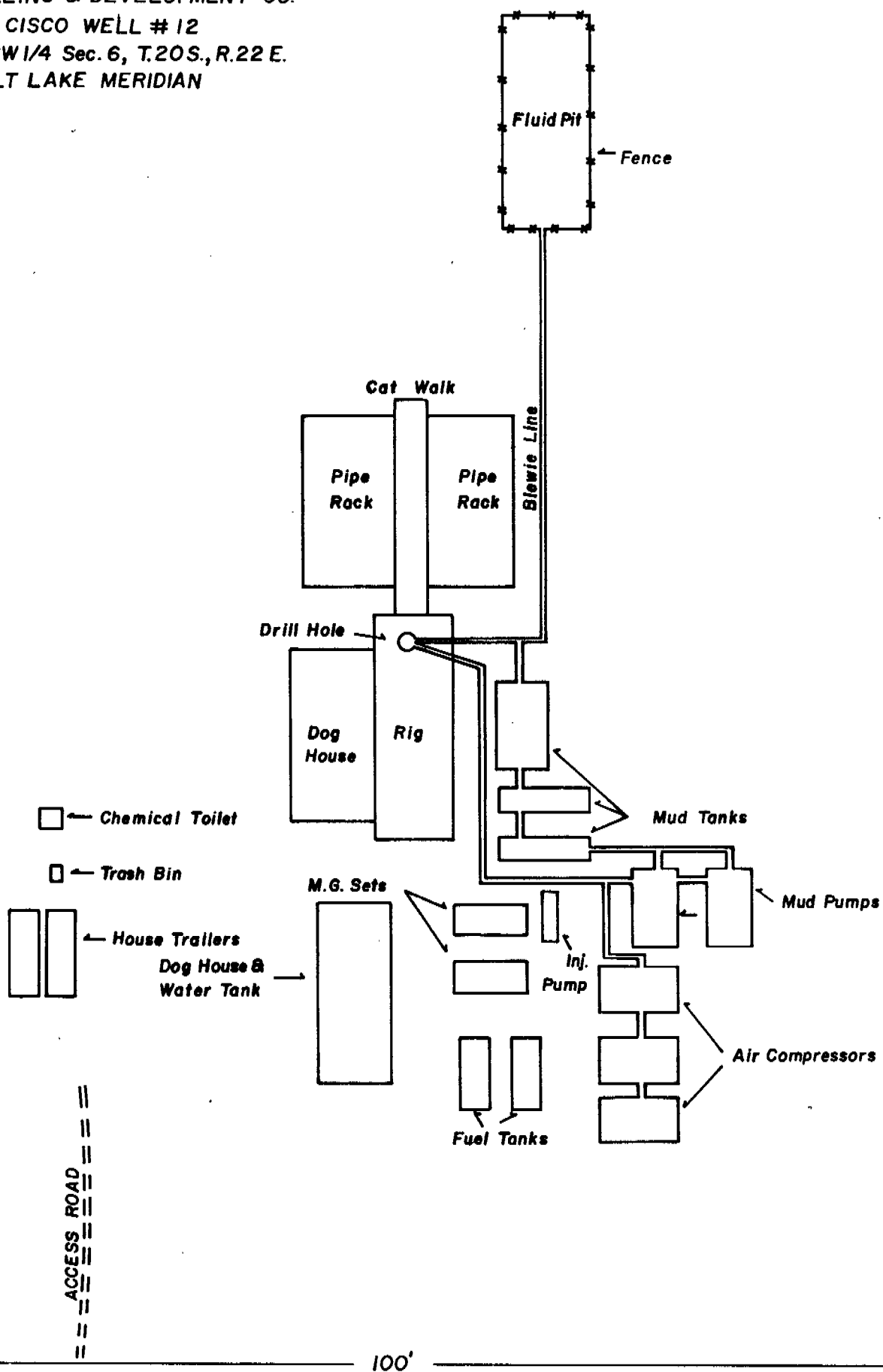


Kerry M. Miller  
Production Manager

KMM/jj

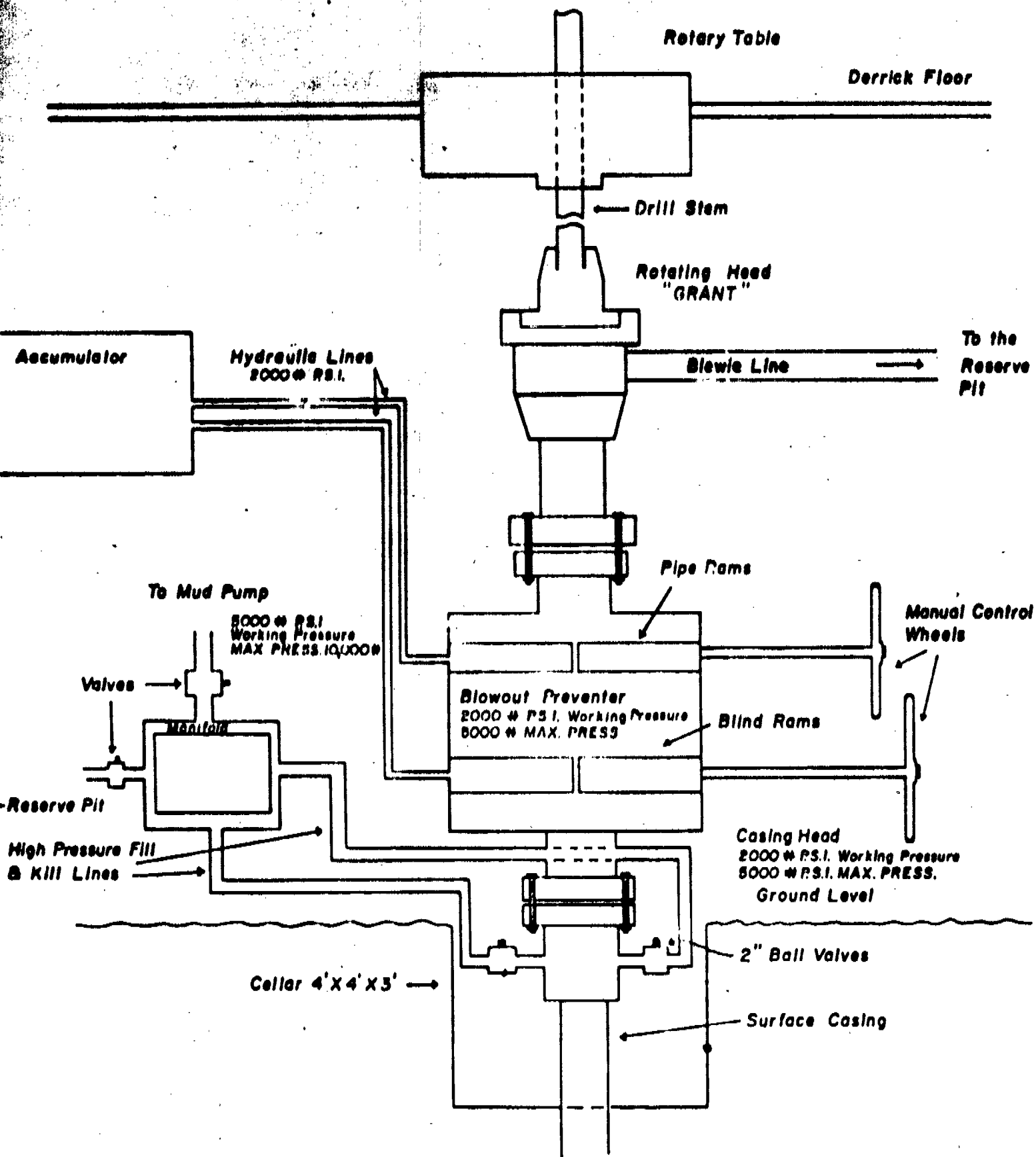
cc: Tony Cox  
Wes Pettingill

CISCO DRILLING & DEVELOPMENT CO.  
 CISCO WELL #12  
 SW 1/4 SW 1/4 Sec. 6, T.20S., R.22 E.  
 SALT LAKE MERIDIAN

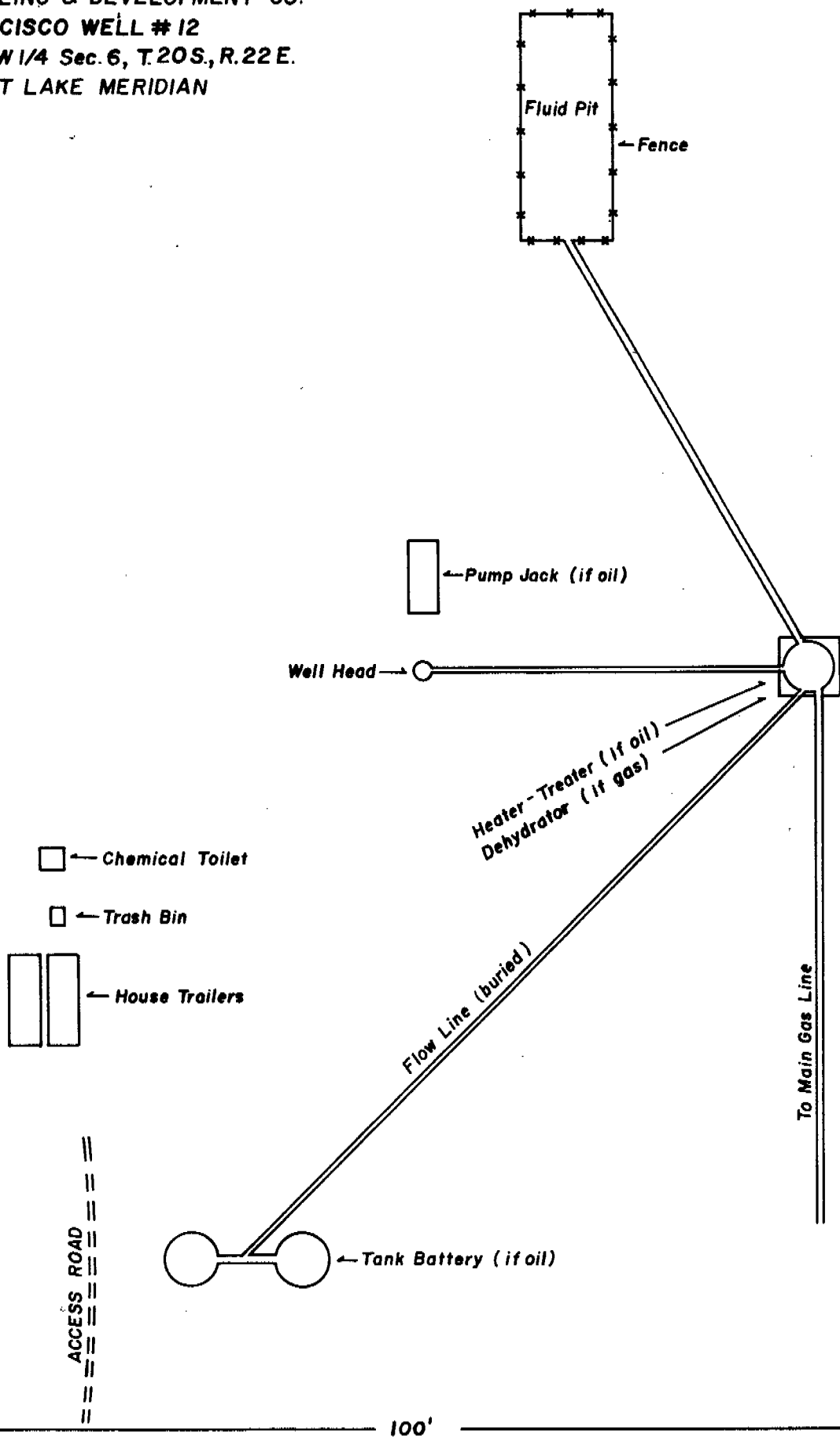


150'

**SCHEMATIC DIAGRAM OF  
CONTROL EQUIPMENT FOR THE  
CISCO DRILLING & DEVELOPMENT CO.  
CISCO WELL # 12  
SW 1/4 SW 1/4 Sec. 6, T.20S, R.22E.  
SALT LAKE MERIDIAN**



PLAN FOR PRODUCTION EQUIPMENT  
 CISCO DRILLING & DEVELOPMENT CO.  
 CISCO WELL # 12  
 SW 1/4 SW 1/4 Sec. 6, T.20S., R.22 E.  
 SALT LAKE MERIDIAN



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Bond # U9006401

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>U 31747</b>
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
2. NAME OF OPERATOR <b>Cisco Drilling &amp; Development Company</b>			7. UNIT AGREEMENT NAME <b>N/A</b>
3. ADDRESS OF OPERATOR <b>840 Rood, Grand Junction, CO 81501</b>			8. FARM OR LEASE NAME <b>Federal</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>SW<math>\frac{1}{4}</math>SW<math>\frac{1}{4}</math> Section 6, T20S, R22E</b> At proposed prod. zone <b>77' 680' FWL 1980' FSL</b>			9. WELL NO. <b>Cisco Dome #21</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 15 miles Northwest of Cisco, Utah</b>			10. FIELD AND POOL, OR WILDCAT <b>Greater Cisco Area</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1000 FSL</b>			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <b>SW<math>\frac{1}{4}</math>SW<math>\frac{1}{4}</math> Section 6 T20S, R22E</b>
16. NO. OF ACRES IN LEASE <b>2320 acres</b>			12. COUNTY OR PARISH <b>Grand</b>
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40 acres</b>			13. STATE <b>Utah</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>2550'</b>			19. PROPOSED DEPTH <b>3650' Entrada</b>
20. ROTARY OR CABLE TOOLS <b>Rotary</b>			21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5592" GR</b>
22. APPROX. DATE WORK WILL START* <b>November 15, 1980</b>			

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"	20.00#	150'	Thru production zone and cemented to 200' above the Dakota Formation
6 1/2"	4 1/2"	10.50#		

It is planned to drill a well at the above location to test the oil production possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled to a point which is past the top of the Entrada formation or to commercial production. Rotary tools with air for circulation until water is encountered, then drilling fluid will be used to drill the well. The surface casing will be set at about 150 ft. and cemented with returns to the surface. A blowout preventer with hydraulically operated blind and pipe rams will be installed on top of the surface casing; and a Kelly cock and safety sub on the derrick floor will provide protection from pressures and temperatures. 2-inch Fill and Kill lines will be connected below the blind rams. Any oil encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2-inch line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Larry L. Vann TITLE Field Representative DATE 11/5/80  
(This space for Federal or State office use)

PERMIT NO. WT Martin FOR E. W. GUYNN APPROVAL DATE DEC 23 1980  
DISTRICT ENGINEER  
APPROVED BY WT Martin TITLE  DATE   
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

NOTICE OF APPROVAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

LEASE FOR OIL AND GAS  
(Sec. 17 Noncompetitive Public Domain Lease)

Act of February 25, 1920 (41 Stat. 437), as amended (30 U.S.C. 181-263)

Name  
Street  
City  
State  
Zip Code

James G. Cozakos  
1748 Harvard Avenue  
Salt Lake City, UT 84108

**U-31747**

(Serial Number)

This oil and gas lease is issued for a period of ten (10) years to the above-named lessee pursuant and subject to the provisions of the Mineral Leasing Act and subject to all rules and regulations of the Secretary of the Interior now or hereafter in force, when not inconsistent with any express and specific provisions herein, which are made a part hereof.

Lands included in the lease:

State: **Utah**

County: **Grand**

T. 20 S., R. 22 E., SIM  
Secs. 5, and 6, all;  
Sec. 7, lots 1, 2, NE<sup>1</sup>/<sub>4</sub>, E<sup>1</sup>/<sub>2</sub>NW<sup>1</sup>/<sub>4</sub>, N<sup>1</sup>/<sub>2</sub>SE<sup>1</sup>/<sub>4</sub>;  
Sec. 8, all;  
Sec. 17, N<sup>1</sup>/<sub>2</sub>NE<sup>1</sup>/<sub>4</sub>, SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>.

Containing a total of	2,479.75 acres	Annual Rental . . . . .	\$1,240.00
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This lease is issued to the successful drawee pursuant to his "Simultaneous Oil and Gas Entry Card" application filed under 43 CFR 3123.9, and is subject to the provisions of that application and those specified on the reverse side hereof.

Effective date of lease: **January 1, 1976**

THE UNITED STATES OF AMERICA

By /s/ L. Follis  
(Signature of Signing Officer)

Acting Chief, Branch of Realty Services  
(Title)

December 22, 1975  
(Date)

by Bureau of the FBI.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 42-R1599

Serial No.

U-31747

New Serial No.

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE  
PART I

Robert B. Mee  
Box 11117  
Salt Lake City, Utah 84147

The undersigned, as owner of 100% percent of record title of the above-designated oil and gas lease issued effective (date) January 1, 1976, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment (43 CFR 3101 2-3)

Grand County, Utah  
T 20 S., R. 22 E., SLM, Utah  
Secs. 5, and 6, all;

State of Utah  
County of Salt Lake : ss

Before me, the undersigned, a Notary Public, in and for said County and State, on this 12th day of December, 1976, personally appeared Robert B. Mee, to me known to be the identical person(s) described in and who executed the within and foregoing instrument of writing and acknowledged to me that he duly executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

In Witness Whereof, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: 4/1/77

[Signature]  
Notary Public

James G. Cozacos  
(Assignor's Signature)

James G. Cozacos

1748 Harvard Avenue Salt Lake City, Ut 84108  
(Assignor's Address)

(City)

(State)

(Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

Assignment approved as to the lands described below:

Same land as Item 2

Assignment approved effective JAN 1 1977

By W. D. Pollick  
(Authorized Officer)

MINERALS SECTION

JAN 13 1977

(Title)

(Date)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 42-R1599Serial No. **U-31747**ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE  
PART I

LAND OFFICE USE ONLY

New Serial No.

W. Don Quigley  
803 Phillips Petroleum Bldg.  
Salt Lake City, Utah 84101

The undersigned, as owner of **100%** percent of record title of the above-designated oil and gas lease issued effective (date) **January 1, 1976**, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment (43 CFR 3101.2-3)

**Grand County, Utah****T.20 S., R.22 E., S.L.M.****Section 5: All****Section 6: All****Section 7: Lots 1 & 2, NE $\frac{1}{4}$ , E $\frac{1}{2}$ NE $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$** **Section 8: All****Section 17: N $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$** **Containing 2479.75 acres**

3. What part of assignor(s) record title interest is being conveyed to assignee? (Give percentage or share)

**50%**

4. What part of the record title interest is being retained by assignor(s)? **50%**

5a. What overriding royalty or production payments is the assignor reserving herein? (See Item 4 of General Instructions; specify percentage.) **none**

b. What overriding royalties or production payments, if any, were previously reserved or conveyed? (Percentage only) **2%**

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17½ percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this **26th** day of **May**, 19**77**

(Assignor's Signature)

**P.O. Box 11117**

(Assignor's Address)

**Salt Lake City**

(City)

(State)

**Utah 84147**

(Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

Assignment approved as to the lands described below:

**Same land as Item 2**

Assignment approved effective **JUN 1 1977**

By **/S/ L. POLLOCK**

(Authorized Officer)

CHIEF, MINERALS SECTION

(Title)

**JUN 2 1977**

(Date)

NOTE: This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official form in accordance with the provisions of 43 CFR 3106



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 42-R1599

Serial No.  
**U-31747**  
New Serial No.

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE  
PART I

Cisco Drilling & Development Inc.  
419 Whalley Ave.  
New Haven, Conn. 06511

The undersigned, as owner of **100%** percent of record title of the above-designated oil and gas lease issued effective (date) **January 1, 1976**, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment (43 CFR 3101.2-3)

Grand County, Utah  
T 20S, R 22E, S.L.M., Utah  
Sec. 5, and 6, all;  
Sec. 7, lots 1, 2, NE $\frac{1}{4}$ , E $\frac{1}{2}$ NW $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$ ;  
Sec. 8, all;  
Sec. 17, N $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ .  
2,479.75 Acres

3. What part of assignor(s) record title interest is being conveyed to assignee? (Give percentage or share) **100%**

4. What part of the record title interest is being retained by assignor(s)? **None**

5a. What overriding royalty or production payments is the assignor reserving herein? (See Item 4 of General Instructions; specify percentage.) **10% of 8/8**

b. What overriding royalties or production payments, if any, were previously reserved or conveyed? (Percentage only) **2%**

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17½ percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this **30th** day of **July**, 1979

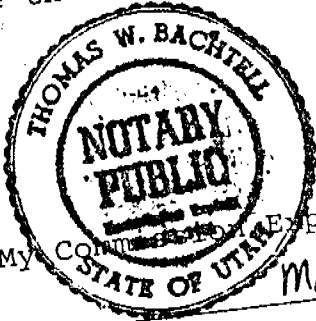
Robert B. Mee a single man  
SS# 044-05-4719  
(Assignor's Signature)

W. Don Quigley  
W. DON QUIGLEY

STATE OF UTAH  
COUNTY OF SALT LAKE

)  
: ss.  
)

On the **30th** day of **July**, 1979, personally appeared before me Robert B. Mee and W. Don Quigley, the signers of the above instrument, who duly acknowledged to me that they had executed the same.



Thomas W. Bachtell  
NOTARY PUBLIC  
Residing In:  
**Salt Lake County**

My Commission Expires:  
**May 23, 1981**

(Title)

RECEIVED BUREAU OF LAND MANAGEMENT  
OIL & GAS OPERATIONS  
RECEIVED  
Nov 8 1982

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE SALT LAKE CITY, UTAH

FORM APPROVED  
OMB NO. 1004-0034

Lease Serial No.  
U- 31747

Lease effective date

FOR BLM OFFICE USE ONLY

New Serial No.

Dec 30 7 45 AM  
SALT LAKE CITY, UTAH

PART I

1. Assignee's Name  
OAK OIL AND GAS CO., INC.

Address (include zip code) 27 Meriden Avenue  
Southington, Connecticut 06489  
1008

The undersigned, as owner of \_\_\_\_\_ percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment

Assignment approved as to lands described below

Grand County, Utah:

Township 20 South, Range 22 East, SLM

Section 5: All  
Section 6: All  
Section 7: Lots 1,2, NE $\frac{1}{4}$ ,  
E $\frac{1}{2}$ NW $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$   
Section 8: All  
Section 17: N $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$

Total Area - 2,479.75 Acres

SAME LAND AS UNIT 1

3. Specify interest or percent of assignor's record title interest being conveyed to assignee

All

4. Specify interest or percent of record title interest being retained by assignor, if any

None

5. Specify overriding royalty being reserved by assignor

None

6. Specify overriding royalty previously reserved or conveyed, if any

None

7. If any payments out of production have previously been created out of this lease, or if any such payments are being reserved under this assignment, attach statement giving full details as to amount, method of payment, and other pertinent terms as provided under 43 CFR 3106.

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17 $\frac{1}{2}$  percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 15th day of October, 1981.



(Assignor's Signature)

(Assignor's Address)

CISCO DRILLING AND DEVELOPMENT, INC.

P.O. Box 6059

Hamden, Connecticut 06517

(City)

(State)

(Zip Code)

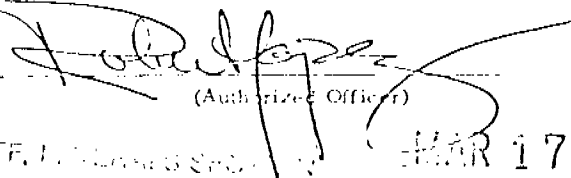
Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

JAN 1 1982

Assignment approved effective

By



(Authorized Officer)

13440

CHIEF, LAND OPERATIONS SECTION

(Title)

(Date)

MAR 17 1982

SERIAL REGISTER PAGE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Legal Reference	File Code	Serial Number
OG	3112	U 31747
Name and Mailing Address		
<p>James G. Cozacos, 1748 Harvard Ave., Salt Lake City, UT 84108-  Robert B. Mee, Box 11117, SLC, UT 84147-50%  W. Don Quigley, 803 Phillips Petroleum Bldg., SLC, UT 84101-50%  Cisco Drilling &amp; Development Inc., 419 Whalley Ave., New Haven, CN 06511  Cisco Drilling &amp; Development Inc., P.O. Box 6059, Hamden, CT 06517</p>		
Description of Land		
<p>T 20 S, R 22 E, SL Mer, UT  Sec 5, All  Sec 6, All;  Sec 7, Lots 1, 2, NE<math>\frac{1}{4}</math>, E<math>\frac{1}{2}</math>NW<math>\frac{1}{4}</math>, N<math>\frac{1}{2}</math>SE<math>\frac{1}{4}</math>;  Sec 8, All;  Sec 17, N<math>\frac{1}{2}</math>NE<math>\frac{1}{4}</math>, SE<math>\frac{1}{4}</math>NE<math>\frac{1}{4}</math>.</p>		
2,479.75 A		Grand Co.
DATE OF ACTION	ACTION TAKEN	
DEC 29 1975	10-Year Lease issued effective JAN 1 1976	
1/25/77	Assignment approved eff. 1/1/77. 2% ORR 1b	
6/15/1977	All und int asgmt approved eff. 6/1/1977 NO ORR 1a	
3 OCT 1979	Assignment approved eff 10/1/79 10% ORR ph	
APR 4 1980	Change of Address Recogn	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Bond # U9006401

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Cisco Drilling &amp; Development Company

## 3. ADDRESS OF OPERATOR

840 Road, Grand Junction, CO 81501

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SW $\frac{1}{4}$ SW $\frac{1}{4}$  Section 6, T20S, R22E

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 15 miles Northwest of Cisco, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1000 FSL

## 16. NO. OF ACRES IN LEASE

2320 acres

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2550'

## 19. PROPOSED DEPTH

3650'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40 acres

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DP, RT, GR, etc.)

5592' GR

## 22. APPROX. DATE WORK WILL START\*

November 15, 1980

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"	20.00#	150'	Thru production zone and cemented to 200' above the Dakota For- mation
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It is planned to drill a well at the above location to test the oil production possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled to a point which is near the top of the Entrada formation or to commercial production. Rotary tools with air for circulation until water is encountered, then drilling fluid will be used to drill the well. The surface casing will be set at about 150 ft. and cemented with returns to the surface. A blowout preventer with hydraulically operated blind and pipe rams will be installed on top of the surface casing; and a Kelly cock and safety sub on the derrick floor will provide protection from pressures and temperatures. 2-inch Fill and Kill lines will be connected below the blind rams. Any oil encountered will be flared at the end of the blowline, and roughly checked for volume thru a 2-inch line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*Gary L. Vann*

TITLE Field Representative

DATE 11/5/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

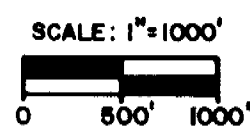
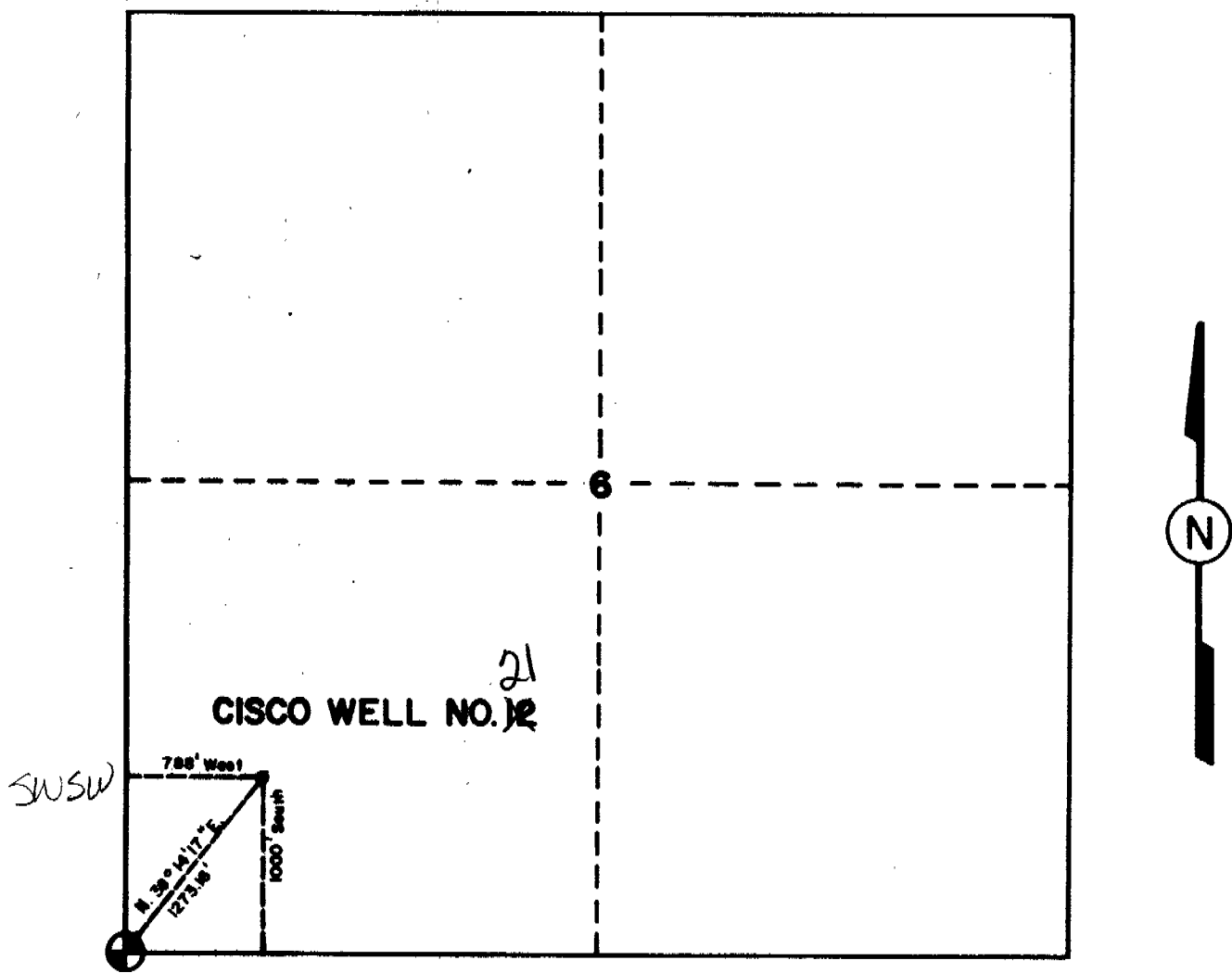
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

11/10/80  
CB Height



**CERTIFICATE OF SURVEY**

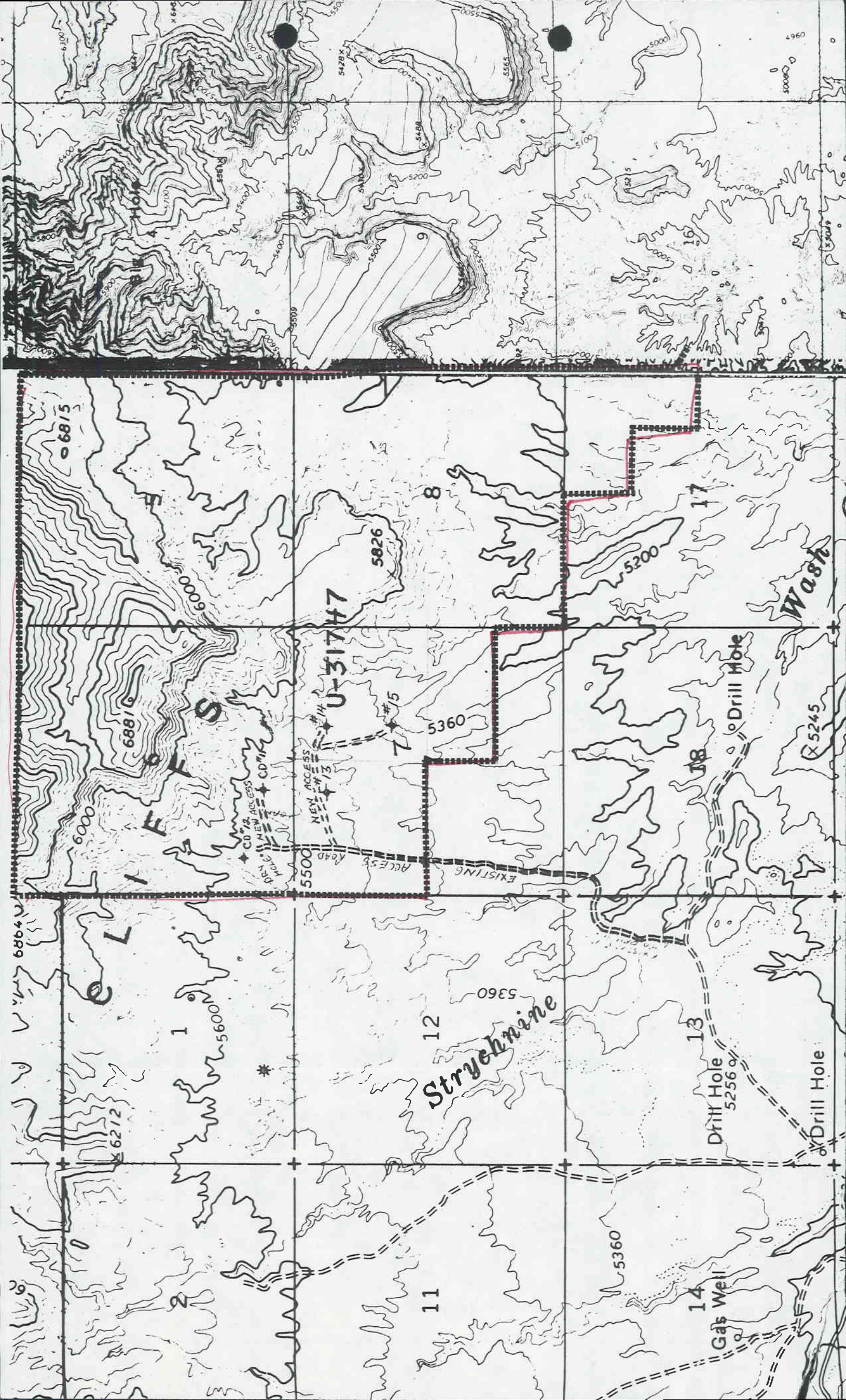
I, EDWARD F. CARPENTER, BEING A REGISTERED LAND SURVEYOR  
DO HEREBY CERTIFY THAT THE SURVEY OF DRILL SITE LOCATION  
CISCO WELL # 12, IN THE SW 1/4 SW 1/4 OF SECTION 6, T. 20S., R. 22E.,  
SALT LAKE MERIDIAN, GRAND COUNTY, UTAH AND THE PLAT THEREOF  
WAS MADE UNDER MY SUPERVISION.

Edward F. Carpenter  
ED CARPENTER

PE. - L.S.# 12319

PLAT OF THE			
CISCO WELL NO. 12			
GRAND COUNTY, UTAH			
TEMCO LTD.			
GRAND JUNCTION, COLORADO			
STAKED BY: TEMCO	SCALE: 1"=1000'	DRAWN BY: N.P.B.	JOB NUMBER
SURVEYED BY: TEMCO	DATE: 9/17/80	CHECKED BY: E.F.C.	







Comments: \_\_\_\_\_

# Summary Report of Inspection for Cultural Resources

Report Title C I S C O D O M E W E L L L O C A T T O N 1 2 1 3

Development Company TEMCO INC., 840 Rood Avenue, Grand Junction, CO 81501

Report Date |1|1| . . . |1|9|8|0|

4. Antiquities Permit No. 80-UT-034

Responsible Institution N I C K E N S & A S S O C County Grand

Fieldwork Location: TWN 

2	0	S
62		65

 Range 

2	2	E
66		69

 Section(s) 

6	7		
70 71	72 73	74 75	76 77


TWN                  Range                  Section(s)                                      
78 81 82 85 86 87 88 89 90 91 92 93

Resource Area GR TWN 94 97 Range 98 101 Section(s) 102103 104105 106107 108109

PO=PONY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS  
BC=BOOK CLIFFS, HR=HOUSE RANGE, SE=SEVIER RIVER  
HM=HENRY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE  
KA=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND  
SR=SAN RAFAEL, DM=DIAMOND MOUNTAIN,

Fill in spaces 65, 69, 81, 85, 97, 101 Only if:  
V=Vernal Meridian  
H=Half Township

Description of Examination Procedures: Flagged well pad sites traversed in spiral pedestrian survey providing 3 meter interval. Suspect area adjacent #12 inspected by walking parallel transects at 3 meters. Flagged proposed access roads inspected in 4 zig-zag parallel transects at 6 meter intervals. Remainder of study area inspected by walking zig-zag parallel transects at 6 meter intervals.

Linear Miles Surveyed and/or 

10. Inventory Type I

Definable Acres Surveyed 120  
and/or 118 123

R = Reconnaissance  
I = Intensive  
S = Statistical Sample

Legally Undefinable Acres  
Surveyed

(\*A parcel hard to cadastrally locate i.e., <sup>124</sup>center of section)

Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 101 1 1 1 1  
No. sites = 0 131 135

No cultural resources or signs of use or occupation by peoples of the prehistoric or historic periods were observed. 13. IN

Evidence of modern campsite observed near proposed well location #12.

Actual/Potential National Register Properties Affected:

None

Conclusion/Recommendations:

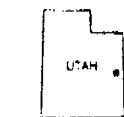
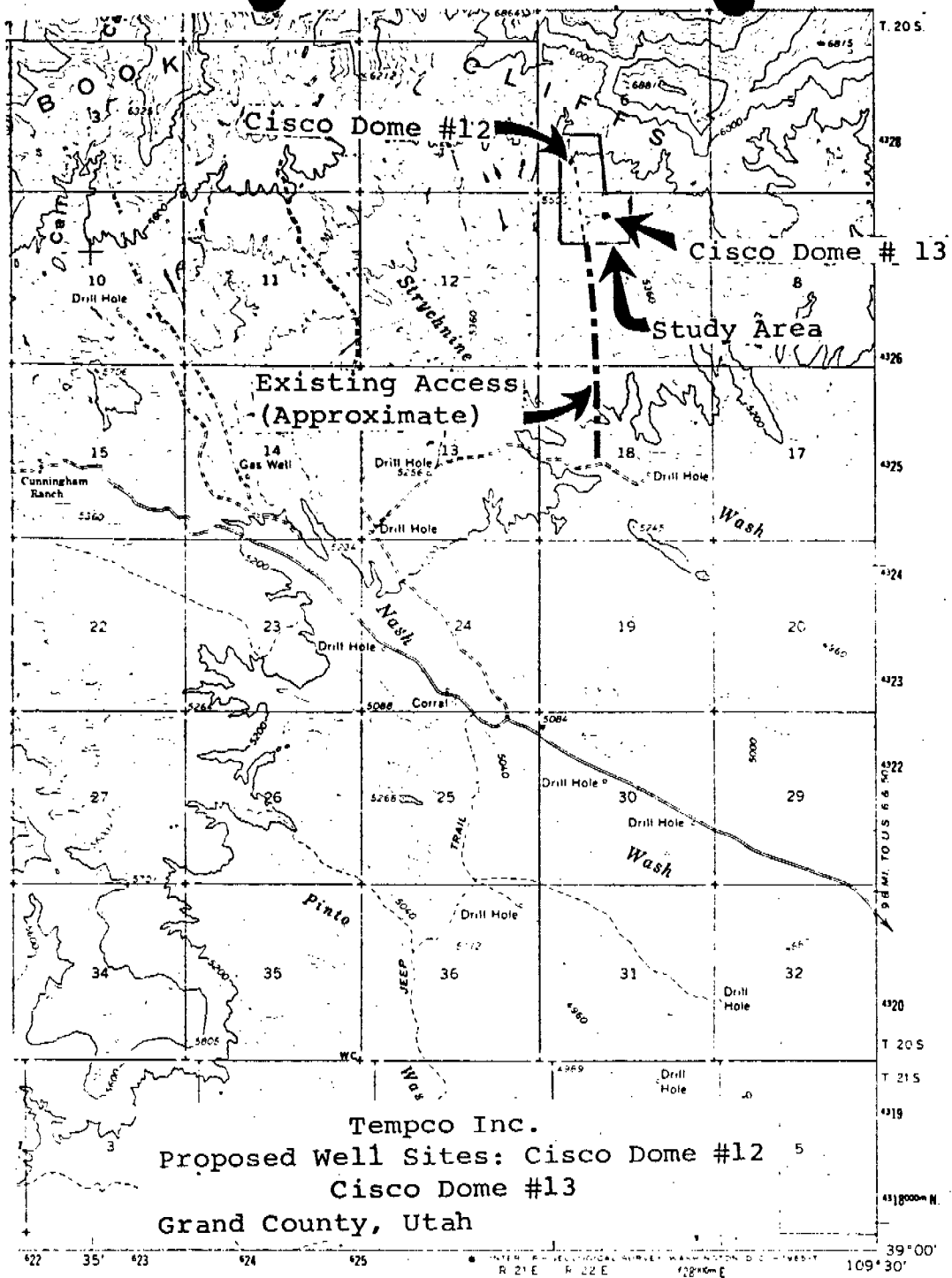
No further consideration of cultural resources need be given for the surface extent of this project.

Signature and Title of Institutional Officer Responsible

Paul R. Nickers  
Principal Investigator

Include only requested information in numbered spaces.

\* For extra locationals use additional 8100-3 forms.

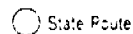


UTAH LOCATION

**ROAD CLASSIFICATION**

Light duty

Unimproved dirt



State Route

**SEGO CANYON, UTAH**

N3900—W10930/15

1963

SCALE 1"=162500'

CONTOUR INTERVAL 80 FEET  
 DOTTED LINES REPRESENT 40 FOOT CONTOURS  
 DATUM IS MEAN SEA LEVEL



PROGNOSIS FOR  
CISCO DRILLING & DEVELOPMENT CO.  
CISCO WELL # 12

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$  Section 6, T20S., R22E., S.L.M., Grand County,  
Utah (500 feet from W-Line and 1000 feet from N-Line).

Elevation: 5592;grd.; 5600; K.B.

Surface Casing: 150 feet of 7", 20.00#, K-55, R-3 casing set  
and cemented with 75 sks cement w/3% CaCl; with returns  
to the surface. The surface hole, 9 3/4", will be  
drilled to 150 feet K.B. and will be no more than 1°  
in deviation.

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Mancos Shale	Surface	2942	5510
Dakota Sandstone	2942	116	2568
Morrison:			
Brushy Basin Shale	3058	190	2450
Salt Wash Sandstone	3248	226	2260
Entrada Sandstone	3474	-	2034
Total Depth	4150		

1. It is planned to drill a 9 3/4" surface hole for the surface casing down to a depth of about 150 feet and set 7-inch casing with approximately 75 sks of cement with returns to the surface. A casing head or flange will be mounted on top of the surface casing and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on top of the blowout preventer. A blewie line, at least 100 feet long, will then be attached to the rotating head and extended into the reserve pit.
2. A 6 1/2" hole will then be drilled below the surface casing, using air for circulation. A flare will be maintained at the end of the blewie line while drilling below 1200'. This will insure that no gas will be missed. The air drilling will also minimize the damage to the hydrocarbon reservoir.

3. Samples of the cuttings will begin at 1200'. 30-ft. samples will be taken from 1200' to 1600', and then 10-ft. samples will be taken from 1600' to total depth.
4. It is planned to drill the well to a depth which is approximately 50 feet below the top of the Entrada formation unless good commercial-flow of gas is obtained above this depth.
5. If a high gas flow (several million cubic feet) and/or when the total depth of the well is reached, electric logs will be run. Prior to running logs, high viscosity mud (not less than 100 vis.) will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. A dual-induction-laterolog will be run from bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom to a point which is 150' above the top of the Dakota formation.
6. If good production (over 750 MCF) is obtained, 4 1/2" O.D., 10.50#, K-55, R-3 new casing will be run and cemented conventionally with sufficient R.F.C. cement to cover 200' above the top of the Dakota formation. The production zone will then be perforated, 2 3/8" O.D. tubing run, and completed conventionally.
7. It is anticipated that the drilling of the well will require less than one week.

WELL CONTROL EQUIPMENT FOR  
CISCO DRILLING & DEVELOPMENT CO.  
CISCO #12 WELL  
SW. SW. SEC. 6 - T20S-R22E  
GRAND COUNTY, UTAH

The following control equipment is planned for the above designated well: (See attached diagram)

1. Surface Casing:

- A. Hole size for surface casing is 9 3/4".
- B. Setting depth for surface casing is approximately 150 feet.
- C. Casing specs. are: 7 in. O.D., K-55, 20.00#, 8 rd. thread, R-3 new or used.
- D. Anticipated pressure at setting depth is approx. 20 lbs.
- E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 75 sks of cement with returns to the surface.
- F. Top of the casing will be near ground level.

2. Casing Head:

Flange size: 10", A.P.I. Pressure rating: 200# W.P., Serier 600; Cameron, OCT, or equivalent; new or used; equipped w/two 2" ports with nipples and 2", 200# W.P. ball or plug valves. Casing head and valves set above ground level. (A flange only may be used on top of the casing, if the B.O.P. is equipped with 2" outlets below the blind rams.)

3. Intermediate Casing:

None

4. Blowout Preventors:

- A. Double rams; hydraulic; one set of blind rams; one set of rams for 3 1/2" or 4" drill pipe; 10" flange; 2000# or greater W.P.: Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down, and pressure tested for leaks up to 2000# p.s.i. A hydraulically operated hy-drill may be used in place of the above B.O.P., if equipped with 2" outlets below the rams.
- B. Rotating Head: Shaffer, Grants or equivalent; set on top of blowout preventor and bolted securely; complete with kelly drive, pressure lubricator; 3 1/2" or 4" rubber for 2000# W.P.; need not have hy-drill assembly on bottom, if a separate hy-drill or B.O.P. is used.

C. Fill and Kill Lines: The fill and kill lines (2" tubing or heavy duty line pipe) are to be connected thru the 2" valves on the casing head and thru a manifold to permit ready switching from the fill to kill lines.

5. Auxillary Equipment:

A float valve is to be used in the bottom drill collar at all times. A safety valve that can be used in the drill pipe will be kept within easy reach on the rig floor at all times.

6. Anticipated Pressures:

The shut-in pressures of the Dakota, Cedar Mountain, and Morrison formations at depths of 2000' to 3000' in the area have been measured at about 600# to 800# maximum.

7. Drilling Fluids:

Air will be used to drill the subject well until water is encountered, then air-soap-water mist will be used to drill the well deeper. In case of excessive caving problems, it may be necessary to convert to mud.

8. Production Casing:

- A. Hole size for production casing will be 6 1/2".
- B. Approximate setting depth will be about 2300'.
- C. Casing Specs. are: 4 1/2" O.D.: K-55, 10.50#; 8-rd thread; R-3, new.
- D. If good production is obtained, the casing will be run with a guide shoe at the bottom and about six centralizers and cemented conventionally with sufficient R.F.C. cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, 2 3/8" O.D. tubing will be run, and the well completed conventionally. In the event production is small, it may be desirable to minimize the damage to the formation by keeping all mud and cement off the formation. In this case the procedure outlined below will be used.
- E. Casing will be run with about six centralizers and a cement basket with DV tool set above the production zone. There will be sufficient casing to extend thru the production zone below the basket with a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the DV tool. Two inch tubing will be run and secured in the tubing head prior to perforating.

1. EXISTING ROADS - Area Map Exhibit "B" is a reproduction of portions of Sego Canyon, Cisco Springs Quadrangles
  - A. Exhibit "A" shows the proposed well site as staked. Drill site and directional reference stakes have been completed and flagged during our on-site field work.
  - B. From the west exit of Interstate 70, proceed along state road 347 approximately 2 miles to existing county road. Proceed north-westerly along said road a distance of approx. 15 miles to intersection with dirt road located in N $\frac{1}{4}$ , Sec. 25, T20S, R21E.
  - C. Access roads to the location are labeled on map, Exhibit "B".
  - D. This is an exploratory well. Existing public and ranch roads within a three mile radius are shown on map, Exhibit "B", and consist of a sandy-dirt surface.
  - E. The existing roads will require little grading, with no additional road material necessary. With production, we anticipate having to grade and crown the roads into the well location but should not have any problems with the existing main approach roads.
2. PLANNED ACCESS ROAD
  - 1) The width of the existing road is about 12 feet and is not expected to be wider than 16 feet.
  - 2) The maximum anticipated grade from the preliminary survey will not exceed 5% grade.
  - 3) No turnouts will be necessary on the access road.
  - 4) There will be no ditches or water turnouts necessary because the main access roads are already in this area.
  - 5) No culverts or major cuts or fills will be necessary on the access road.
  - 6) We anticipate not using any surfacing material for the access roads.
  - 7) No gates, cattleguards, or fence cuts will be necessary.
  - 8) All new roads or reconstructed roads have been center-line flagged; there will be one low water crossing on the new approach road, shown on map, Exhibit "B".

3. LOCATION OF EXISTING WELLS WITHIN TWO MILE RADIUS

- 1) Water wells - None
- 2) Abandoned wells - See Exhibit "B"
- 3) Temporarily abandoned wells - None
- 4) Disposal wells - None
- 5) Drilling wells - See Exhibit "B"
- 6) Producing wells - See Exhibit "B"
- 7) Shut-in wells - See Exhibit "B"
- 8) Injection wells - None
- 9) Monitoring or observation wells - None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Presently, the Lessee does not control or own any tank batteries, production facilities, oil, gas, injection or disposal lines within a one mile radius.
- B. A plan for the anticipated production equipment, if the well is successful, is submitted on Plat No. 2. This location should stay within the boundary of the proposed well pad. The dimensions of the pad are 106'x150'. No additional construction materials will be required. Protective measures for livestock and wildlife will include all pits being fenced on three sides during drilling and will be fenced on the fourth side and overhead flagging installed after drilling is completed and prior to filling.
- C. Areas not needed for production equipment will be surface graded, contoured and reseeded to normal topography.

5. LOCATION AND TYPE OF WATER SUPPLY

Since the proposed well is to be drilled with air for circulation, very little water will be required. The water needed will be hauled by truck to the location by Colorado Pacific Petroleum (see accompanying permit), located in Grand Junction, Colorado. They will get their water at Cisco Springs or from the Colorado River. No water well will be drilled on this lease.

6. SOURCE OF CONSTRUCTION MATERIALS

No additional road material, gravel, sand or culverts will be required. There will be no low water crossings on the approach road to Cisco Well. All existing, new and reconstructed, roads are outlined on the enclosed map. Upon production, only existing materials on the site will be used for permanent road. The surface and mineral ownership are both held by U.S.A.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reservoir and burn pit will be constructed at the well site as shown on Plat No. 3. All excess water, mud, and drill cuttings will be deposited into the reservoir pit. All material and garbage will be put into the trash container and removed from location. A chemical toilet will be furnished for human waste. The approximate dimensions of the reservoir pit are shown on Plat No. 3. When the pits are dry and the weather permitting, all pits will be folded in and covered after cessation of drilling operation. Any oil left on the surface of the reservoir pit will be either skimmed off or burned off prior to covering the reservoir pit. The reservoir pit will also be fenced on three sides during drilling and will be fenced on the fourth side and overhead flagging installed after drilling is completed and prior to filling.

8. ANCILLARY FACILITIES

No camp facilities other than two or three house trailers at the well Site will be needed. No air strips will be required.

9. WELL SITE LAYOUT

A plan for the drilling equipment layout required for the drilling of the proposed well is shown on Plat No. 3. The approximate dimensions of the site, direction of drill rig setting, reservoir pit location with dimensions, and equipment arrangements are shown on this plat. The drilling site is located on the east side of the Strychnine Wash on an area 100'x150' and slopes from the north to the south. The top soil (approximately 1 foot) will be stockpiled in the southwest corner of this drill site. A cross section of this area is provided in the lower left hand side of Plat No. 3. The maximum cut will be 2'-3' along the north sides. The reservoir pit will be placed on the west side of the site and will be unlined.

10. PLANS FOR RESTORATION OF SURFACE

After drilling operations have been concluded, and the equipment removed, the well site will be cleaned, rat hole and mouse hole filled in; the cellar filled in around well marker or well head; the location and roads leveled and restored to the normal topography; top soil spread back over the location and reseeded if the well is unsuccessful. If the well is completed for production, the location will be cleaned and leveled for the production equipment; oil on pits will be either skimmed off or burned off; the pits will be folded in and leveled. This work will be conducted as soon as feasible, hopefully, within 60 days after the drilling equipment has been removed. When drilling is completed, we will reseed during the more favorable November-December period by drill.

11. OTHER INFORMATION

Topography of the land is a desert highland consisting of erosional hills, mesas and plateaus. Upper Sonoran Zone greasewood, salt brush, sagebrush, rabbit brush grow in a sandy loam saline soil, which supports various insect, rodent and reptile populations. There are no known archaeological, historical or cultural sites in the area. There are no occupied dwellings in the area. The surface and mineral ownership are both held by the U.S.A.

12. Field Representative who can be contacted concerning compliance of this Surface Use Plan is:

*Gary L. Vann*

Gary L. Vann  
840 Rood Ave.  
Grand Junction, CO 81501  
(303) 245-3505



**\*\* FILE NOTATIONS \*\***

DATE: Nov. 10, 1980  
OPERATOR: Cisco Drilling & Development Co.  
WELL NO: Cisco Federal #~~1~~ #21  
Location: Sec. 6 T. 26S R. 22E County: Grand

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-019-30741

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: \_\_\_\_\_

Administrative Aide: OK as per spacing (102-16B) approved for footage location  
on survey plat - NOT as stated in application

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site ☐

Lease Designation ☐

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

November 19, 1980

Cisco Drilling & Development Company  
840 Rood  
Grand Junction, Colorado 81501

Re: Well No. Cisco Federal #21  
Sec. 6, T. 20S, R. 22E  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated September 26, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30741.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight  
Director

/ka  
cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Bond # U9006401

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U 31747
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Cisco Drilling & Development Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR 840 Road, Grand Junction, CO 81501		8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 6, T20S, R22E At proposed prod. zone 788' 680' FWL 1900' FSL <i>Location change</i>		9. WELL NO. Cisco Dome #21
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 15 miles Northwest of Cisco, Utah		10. FIELD AND POOL, OR WILDCAT Greater Cisco Area
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1000 FSL	16. NO. OF ACRES IN LEASE 2320 acres	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 6 T20S, R22E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2550'	19. PROPOSED DEPTH 3650' Entrada	12. COUNTY OR PARISH Grand
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5592" GR		13. STATE Utah
22. APPROX. DATE WORK WILL START* November 15, 1980		

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7"	20.00#	150'	Thru production zone and cemented to 200' above the Dakota Formation
6 1/2"	4 1/2"	10.50#		

It is planned to drill a well at the above location to test the oil production possibilities of the sands in the Dakota, Cedar Mountain, and Morrison formations. The well will be drilled to a point which is past the top of the Entrada formation or to commercial production. Rotary tools with air for circulation until water is encountered, then drilling fluid will be used to drill the well. The surface casing will be set at about 150 ft. and cemented with returns to the surface. A blowout preventer with hydraulically operated blind and pipe rams will be installed on top of the surface casing; and a Kelly cock and safety sub on the derrick floor will provide protection from pressures and temperatures. 2-inch Fill and Kill lines will be connected below the blind rams. Any oil encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2-inch line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Gary L. Vann</u> TITLE <u>Field Representative</u> DIVISION OF <u>OIL, GAS &amp; MINING</u> DATE <u>11/5/80</u>	
(This space for Federal or State office use)	
PERMIT NO. <u>WT Martin</u>	APPROVAL DATE <u>DEC 23 1980</u>
APPROVED BY <u>WT Martin</u> FOR <u>E. W. GUYNN</u> DISTRICT ENGINEER	DATE <u>DEC 23 1980</u>
CONDITIONS OF APPROVAL, IF ANY:	

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY  
\*See Instructions On Reverse SideFLARING OR VENTING OF  
GAS IS SUBJECT TO NTL-4A  
DATED 1/1/80Ut.  
ST. OG

FROM : DISTRICT GEOLOGIST, ~~AL~~, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&amp;G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 11-31747OPERATOR: Cisco Drilling WELL NO. Cisco Dome #21LOCATION: C NW 1/4 SW 1/4 sec. 6, T. 20S., R. 22E., S. 4M  
Grand County, Utah

## 1. Stratigraphy: Operator tops seem reasonable

Mancoos surface

Dakota 2940'

Cedar Mt.

Entrada 3475'

Morrison 3060'

TD 3650'

Salt Wash 3250'

## 2. Fresh Water:

Possible in Mancoos sandstones to 500'

## 3. Leasable Minerals:

Possible coal in the Dakota: Thin, lenticular beds.

Possible geothermal potential.

## 4. Additional Logs Needed:

Log of cuttings through the Dakota (for coal identification)

## 5. Potential Geologic Hazards:

None expected

## 6. References and Remarks:

Signature:

Melvin W. WoodDate: 12-13-80

United States Department of the Interior  
Geological Survey  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

## NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATIONOperator/Project Name Cisco Drilling and Development Co. Cisco Dome No. 21Project Type Development Oil TestProject Location 788' 1000'  
530' FWL, 1980' FSL, Section 6, T20S, R22E, Grand County, UtahDate Project Submitted November 21, 1980FIELD INSPECTIONDate December 12, 1980Field Inspection  
ParticipantsJim Kyle - Operator's representativeChip Hopkins - Dirt contractorElmer Duncan - BLM, MoabGlenn Doyle - USGS, Grand Junction

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

December 15, 1980

Date Prepared

Glenn M. Doyle  
Environmental Scientist

I concur

DEC 22 1980

Date

W.P. Martin FOR

E. W. GUYNN  
DISTRICT ENGINEER

District Supervisor

# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria S16 DM 2.3.A	<u>Federal/State Agency</u>			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety					1,2			12/12/80	
Unique characteristics					1,2				
Environmentally controversial					1,2				
Uncertain and unknown risks						4			
Establishes precedents					1,2				
Cumulatively significant					1,2				
National Register historic places	1 - 12/15/80								
Endangered/ threatened species	1-12/15/80								
Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached

Site-specific Stipulations

- 1) Avoid blocking moderate-sized, southerly sloping drainage which borders the location on the east side. The new access road would cross this drainage utilizing a low water crossing.
- 2) Clear an area of trees at least one cat swath in width behind the bloolie pit to reduce the chances of starting a fire.
- 3) Alter wellpad dimensions to accommodate the rig (operator request) to 200' X 250'. See revised rig layout.

## COMMON REFERENCE LIST

### NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement



# TEMCO, Ltd.

Landmen  
Drilling  
Claim Staking  
Oil Field Service  
Energy Properties

840 Rood Ave. (303) 245-3505  
Grand Junction, Colo. 81501

February 20, 1981

Colorado Pacific Drilling Corp.  
452 28 1/2 Road  
Grand Junction, CO 81501

RE: Cisco Well # 21  
SW $\frac{1}{4}$ SW $\frac{1}{4}$ , Sec. 6,  
T20S, R22E

Gentlemen:

This letter authorizes you to commence day work necessary  
to complete Cisco Well # 21 as outlined in our letter dated  
February 19, 1981.

Very truly yours,

TEMCO, Ltd.



W. L. Jackson  
President

WLJ/cmr

cc: BLM, Moab  
USGS, SLC

Moab District  
Grand Resource Area  
P. O. Box H  
Moab, Utah 84532

Jim Kyle  
TEMCO  
840 Rood Ave.  
Grand Junction, CO. 81501

Reference: Abandonment: U-31747  
Cisco Dome #21  
Section 6, T. 20 S., R. 22 E.  
Grand County, Utah

Dear Mr. Kyle:

On March 25, 1981 a representative from this office made an inspection of the above reference location. We appreciate the time and expense given to this location. You are to be complimented on the clean-up and surface restoration of the well pad and the access road. Surface restoration is very satisfactory.

Final release is pending the success (perennial vegetative establishment) of the seeding.

Sincerely yours,

Colin P. Christensen  
Area Manager

cc:  
District Engineer, USGS Conservation Division,  
Salt Lake City, Utah

JRobbins:lf 3/27/81

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

INSPECTION RECORD - ABANDONMENT

Date 4/22/81  
Location (S-T-R) Sec 6, 20S, 22E  
Field Area Greater Cisco Area  
County Grand  
State Utah  
Inspector Owens

District Salt Lake City  
Operator Cisco Drilling & Development  
Contractor & Rig NA  
Lease Number U-31293 7-21-21-22  
Type of Well\* dry hole  
INC Issued NA

	YES	NO	NA	ENF
1. Plugs spotted across perforations if casing set?				S
2. Plugs spotted at casing stubs?				S
3. Open hole plugs spotted as specified?				S
4. Retainers, bridge plugs, or packers set as specified?				S
5. Cement quantities as specified?				S
6. Method of verifying and testing plugs as specified?				S
7. Pipe withdrawal rate satisfactory after spotting plug?				W
8. All annular spaces plugged to surface?				S

Plug tested: ☒ No ☒ Pressured ☒ Tagged  
If tested, which plug(s) \_\_\_\_\_

Cement and mechanical plug placement data (attach service company report if available): \_\_\_\_\_  
\_\_\_\_\_

Cement plug spotting method: \_\_\_\_\_  
\_\_\_\_\_

Operation(s) witnessed: \_\_\_\_\_  
\_\_\_\_\_

Additional Remarks: Pit marker set, surface restored, Road ripped.  
\_\_\_\_\_  
\_\_\_\_\_

\* Dry hole, depleted producer, service, water well, etc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other Plug & Abandon well
2. NAME OF OPERATOR  
Cisco Drilling & Development Company
3. ADDRESS OF OPERATOR  
840 Rood Ave. Grand Jct., CO 81501
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 788' FWL 1000 FNL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	TEST WATER SHUT-OFF	FRACTURE TREAT	SHOOT OR ACIDIZE	REPAIR WELL	PULL OR ALTER CASING	MULTIPLE COMPLETE	CHANGE ZONES	ABANDON*	(other)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

5. LEASE  
U-31747 (Bond #U9006401)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A
7. UNIT AGREEMENT NAME  
N/A
8. FARM OR LEASE NAME  
N/A
9. WELL NO.  
Cisco #21
10. FIELD OR WILDCAT NAME  
Greater Cisco Area
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 6, T20S, R22E
12. COUNTY OR PARISH  
Grand
13. STATE  
UTAH
14. API NO.  
43-01930741
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KDB 5582

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Confirming verbal approval to plug & abandon this well by Mr. Bill Martins USGS, Asst. Dist. Engineer to Mr. Ray Cottrell, Colorado Pacific Drilling Superintendent.

Cementing Program: 3400 to 3300' - 35 sax cement  
3000 to 2800' - 70 sax cement  
200 to 100' - 35 sax cement  
surface - 10 sax cement

Subsurface Safety Valve: Manu. and Type

Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED James P. Kyle TITLE Representative DATE 1/23/81

(This space for Federal or State office use)

APPROVED BY E. W. GUYNN FOR E. W. GUYNN DISTRICT ENGINEER DATE FEB 20 1981  
CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

November 10, 1982

Cisco Drilling & Development, Inc.  
c/o Garback, Giamattteo & Denorfia  
P. O. Box 597  
27 Meridan Avenue  
Southington, Conneticut 06489

Re: See attached page

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

*Cari Furse*

Cari Furse  
Clerk Typist

CF/cf

Well No. Cisco Federal #21  
Sec. 6, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Springs #22  
Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Federal #23  
Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Federal #25  
Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

24/ *Car*

# OAK OIL AND GAS COMPANY, INC.

27 MERIDEN AVENUE  
SOUTHINGTON, CONNECTICUT 06489

(203) 621-8525

December 1, 1982

State of Utah  
Natural Resources & Energy  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Gentlemen:

RE: See attached page for list of wells

This is to inform you that we do intend to work these wells at a later date.

At present we are in the process of re-entering Cisco #1 well and Cisco #3 well. We have recently encountered difficulties with Cisco Dome well #25 and have closed it down, causing us to delay any work on the wells that are listed.

If you have any further questions regarding these wells, please don't hesitate to call our office.

Yours truly,



Diane D. Hermann  
OAK OIL AND GAS COMPANY, INC.

RECEIVED  
DEC 10 1982  
DIVISION OF  
OIL GAS & MINING

Well No. Cisco Federal #21  
Sec. 6, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Springs #22  
Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Federal #23  
Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Federal #25  
Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No Cisco Springs #16  
Sec. 26, T. 20S, R. 23E.  
Grand County, Utah

Well No. Cisco Federal #8  
Sec. 34, T. 20S, R. 23E  
Grand County, Utah





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 20, 1983

Cisco Drilling and Development Corporation  
Oak Oil and Gas Company, Inc.  
27 Meriden Avenue  
Southington, Connecticut 06489

RE: See wells on attached page

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf

Well No. Cisco Federal # 21  
1000' FSL, 788' FWL  
SW SW, Sec. 6, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Springs # 22  
1980' FNL, 3300' FWL  
SW NE, Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Federal # 23  
660' FNL, 3300' FWL  
NW NE, Sec. 7, T. 20S, R. 22E.  
Grand County, Utah

Well No. Cisco Springs # 16  
500' FNL, 500' FEL  
NE NE, Sec. 26, T. 20S, R. 23E.  
Grand County, Utah

Well No. Cisco Federal # 8  
1529' FNL, 1407 FEL  
SW NE, Sec. 34, T. 20S, R. 24E.  
Grand County, Utah



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 1, 1984

Cisco Drilling and Development Corporation  
C/O P. L. Driscoll  
1933 E Tartan Ave.  
Salt Lake City UT 84108

RE: Well No. Cisco Federal #21  
API #43-019-30741  
1000' FSL, 788' FWL SW/SW  
Sec. 6, T. 20S, R. 22E.  
Grand County, Utah

Gentlemen:

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded effective one calendar month from the date of this notice.

A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

Respectfully,

A handwritten signature in black ink, appearing to read "Norman C. Stout".

Norman C. Stout  
Administrative Assistant

NCS/cj

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other In-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U 31747 (Bond # U9006401)	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>Abandon</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Cisco Drilling & Development Company		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 840 Rood Ave., Grand Jct. CO 81501		8. FARM OR LEASE NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 34 to 33 35 sax At top prod. interval reported below 3000 to 2800 70 sax At total depth 200 to 100 35 sax filled holes 10 sax surface		9. WELL NO. Cisco Dome #21	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Greater Cisco Area	
15. DATE SPUDDED 1/15/81		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6 T20S, R22E	
16. DATE T.D. REACHED 1/21/81		12. COUNTY OR PARISH Grand	
17. DATE COMPL. (Ready to prod.) N/A		13. STATE Utah	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5582		19. ELEV. CASINGHEAD N/A	
20. TOTAL DEPTH, MD & TVD N/A		21. PLUG BACK T.D., MD & TVD Plug	
22. IF MULTIPLE COMPL., HOW MANY* N/A		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A		ROTARY TOOLS X	
		CABLE TOOLS X	
		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Nutron Porosity, Computer Processed, Formation Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 8 5/8"	WEIGHT, LB./FT. 20.00	DEPTH SET (MD) 150'	HOLE SIZE 7 7/8"
CEMENTING RECORD 122 sax		AMOUNT PULLED none	
29. LINER RECORD			
SIZE N/A	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
SCREEN (MD)		30. TUBING RECORD	
SIZE N/A		DEPTH SET (MD)	
PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) N/A			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION			
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
WELL STATUS (Producing or shut-in)			
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>James P. Kyle</u>		TITLE <u>Representative</u>	
DATE <u>2/4/81</u>			

\*(See Instructions and Spaces for Additional Data on Reverse Side)

ORIGINAL FORWARDED TO DENVER

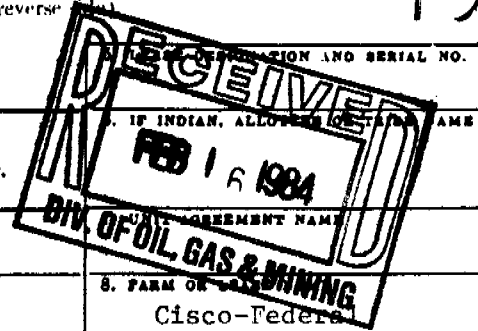
STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse)

3  
13

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)



1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. FARM OR LAND	
2. NAME OF OPERATOR Cisco Drilling and Development Co.		Cisco-Federal	
3. ADDRESS OF OPERATOR 27 Meriden Ave. Southington, Conn. 06489		9. WELL NO. # 21	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW $\frac{1}{4}$ SW $\frac{1}{4}$ (1000' FSL & 788' FWL)		10. FIELD AND POOL, OR WILDCAT Cisco Dome	
14. PERMIT NO. 43-019-30741		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6 T20S R22E	
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☒CHANGE PLANS ☐

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

It is the intent of the company not to drill this well. The location has been abandoned.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Richard C. Russell*

TITLE

Consultant

DATE

2/13/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

May 23, 1984

MEMO TO FILE

As a result of an on sight inspection, the BLM was contacted and they sent their reports on this well indicating that well was drilled and then P & A'd. This well has not appeared on the Well Completion. The cardex and file have been changed to reflect this new information.

Claudia Jones